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**1. New eeBuildings Case Study: Shared Savings and Low-Cost Lighting Improvements at Shangshi Tower, Shanghai**

Shangshi Tower is a 67,000 square meter 40-story commercial office tower located in the Xuhui district of Shanghai. Building management staff at Shangshi Tower implemented low-cost lighting upgrades to garage and equipment room lighting. Replacing existing lamps with new, reduced-wattage lamps saved 7,257 kWh per month, or 87,091 kWh per year—equal to an estimated cost savings of RMB 69,672 annually (US \$9,070). The cost of the lighting retrofit was paid back in 6.6 months.

Building management staff also installed a heating ventilation and air-conditioning (HVAC) energy conservation control system with the help of an Energy Service Company (ESCO). The use of an outside energy service consultant and energy performance contract (EPC) for the installation of the HVAC ensured that the building would avoid making substantial start-up equipment investments, but would be able to implement a successful long-term energy-saving strategy. The installation of the HVAC energy conservation control system was able to accomplish two things: first, as the HVAC load varies, the system adjusts pump speed to maximize efficiency and reduce energy consumption. Second, more efficient operation reduces pump breakdown and prolongs the pump life. The energy savings for the 2006 cooling season totaled 306,561 kWh, equal to RMB 245,247 (US \$31,925).

To learn more about Shangshi's energy saving measures, read the [full case study](#) or read additional eeBuildings case studies from eeBuildings' [Resource Library](#).

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**2. Featured US Lesson Learned: Tenant Awareness**

Tenant awareness materials are a great way to inform building occupants of simple ways they can contribute to the building management team's efforts to improve energy performance. An effective way to communicate with tenants is by writing a letter that explains the building's commitment to improving energy performance and how tenants can contribute to this goal. A letter to tenants could include a list of specific energy-saving actions that can be adopted in tenant spaces as well as the specific financial and environmental benefits for tenants. A small poster displayed in public areas such as kitchen and bathroom areas, elevators, meeting areas, hallways or on bulletin boards, is also a great way to share daily energy-saving tips with tenants.

We provide our building partners with two types of tenant awareness sample materials to customize: a template letter and a poster. To request eeBuildings tenant awareness materials, write to us at [eeBuildings@epa.gov](mailto:eeBuildings@epa.gov).

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### **3. eeBuildings Releases Version 1.0 of the eeBuildings Tools & Resources CD-ROM to Partners in China**

eeBuildings Tools & Resources Version 1.0 is a CD library that supports the eeBuildings program. Materials on this CD help partners track building energy performance and implement no-cost/low-cost measures that can reduce energy usage and costs. The CD includes an interactive Energy Performance Monitoring Tool and helpful resources, such as tenant awareness materials, case studies, newsletters, and articles on improving building energy performance.

eeBuildings Tools & Resources Version 1.0 is customized for Chinese users. Subsequent versions may accommodate additional international users. To inquire about the CD please write to eeBuildings at [eeBuildingsCD@epa.gov](mailto:eeBuildingsCD@epa.gov).

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### **4. The Trade Association of Shanghai Property Managers Hosts an eeBuildings Training Event for More than 100 Members to Launch Energy-Saving Pilot Program**

The Trade Association of Shanghai Property Managers (TASPM) hosted an eeBuildings energy efficiency training event for over a hundred of its members in April 2007. The training included lessons from the US ENERGY STAR program, case studies, and step-wise guidance on how to identify and implement no-cost/low-cost energy-saving measures in buildings. A group of these members will participate in an eeBuildings/TASPM Energy-Savings Pilot Program, beginning this summer, in which participating buildings will baseline the energy performance of their buildings, develop an energy-saving plan, implement no-cost/low-cost energy-saving measures, and calculate energy and cost savings. TASPM also has plans to use the pilot program as a basis for developing a long-term energy-efficient buildings program. TASPM has been an eeBuildings partner since 2003 and has been active in providing resources to its membership to improve building energy performance through trainings and written guidance.

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### **5. Help Us Build a Better Newsletter**

- We'd like to hear about your progress. If you have had successful experiences improving the energy efficiency of your buildings outside the US, please let us know at [eeBuildings@epa.gov](mailto:eeBuildings@epa.gov).

- We are interested in updating our partner list and linking to external websites. Please let us know if you would like your organization name and URL to be added to the list.

- If you have suggestions for how to improve the content of this newsletter, please send them to [eeBuildings@epa.gov](mailto:eeBuildings@epa.gov).

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To learn more about eeBuildings, visit <http://www.epa.gov/eeBuildings> or e-mail [eeBuilding@epa.gov](mailto:eeBuilding@epa.gov).

To learn more about ENERGY STAR, visit <http://www.energystar.gov>.

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The US Environmental Protection Agency's eeBuildings (energy-efficient Buildings) program helps international building owners, managers, and tenants improve the energy performance of their buildings. Drawing on the expertise of ENERGY STAR, eeBuildings connects financial and environmental performance to energy efficiency.

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This newsletter is produced and edited by ICF Consulting. ICF supports EPA's eeBuildings and ENERGY STAR activities.

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